

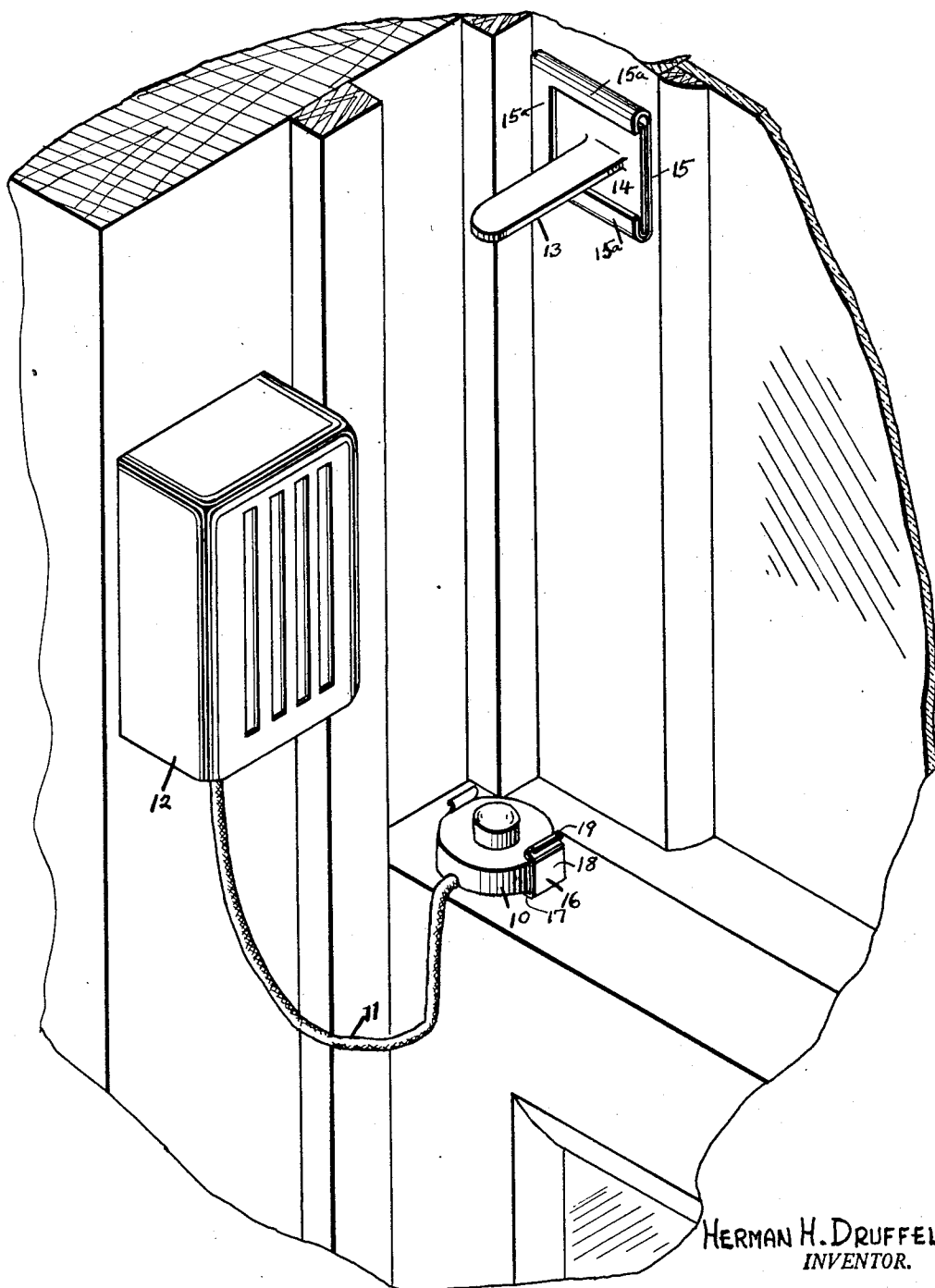
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BURGLAR ALARM

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BURGLAR ALARM

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2 Claims. (Cl. 200—54)

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This invention relates to improvements in burglar alarms.

The object of the invention is to give a warning if a window is opened, or opened beyond a desired amount.

One of the advantages of the invention is the provision of a simple burglar alarm system which can be operated by almost anybody.

According to the principle of my invention, I place a push button, connected to an electric circuit, on a window.

Also placed on a window, is a device for pushing the button.

The push button is preferably placed on the top of the lower window on the inside, and the pushing means is located preferably on the upper window on the inside.

If the bottom window is opened, the push button will be pushed upwardly against the pushing device.

If the upper window is opened, then the pushing device will be pushed down against the push button.

The circuit may ring a bell or buzzer, or the like.

The push button or the actuating means, or both, may easily be taken out of operative position and left inoperative, so that the windows may be opened fully, if desired.

Another object and advantage is the provision of the foregoing by means which are simple to make and operate.

Other objects and advantages will appear and be brought out more fully in the following specification, reference being had to the accompanying drawing, in which the figure is a perspective view of the burglar alarm device applied to a window.

Referring to the drawing in detail, in which I have shown the preferred form for the purpose of illustrating the principle of my invention, I have shown operating means in the form of a push button 10, having wires 11 leading to a typical alarm or bell arrangement 12, having the usual magnet, interrupter and battery or other source of electrical power.

The push button may be mounted in a suitable place, for example, on the top of the lower window at the side.

I have also provided pushing means to depress the button 10 in the form of an actuator, or finger, or strip 13, which may be made integral with, welded to, or stamped from a plate 14, which is adapted to slide in a holder 15 having flanges 15a.

The holder may be secured to a window by

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screws or otherwise, as shown. In this way, the plate 14 may be removed when it is desired to open the window further without ringing the bell.

The holder 15 also may be provided at a suitable place on the upper window, preferably on the side frame, so that the actuator will project out in position to push the push button.

The place where the holder 15 is located determines the amount to which the window can be raised without ringing the bell.

The plate 14 is preferably flat, so that it will lie flush against the holder 15, so that the actuator 13 will be in position to depress the button.

The button 10 may be positioned in a clamp 16, or may be removed and allowed to hang loosely.

The clamp may consist of a horizontal strip 17 adapted to be screwed or otherwise connected to a window. The strip may have spring flanges 18 to press against the push button 10.

Beads 19 may also be provided to provide downward pressure on the push button 10, as will be readily understood by those skilled in the art.

It is believed that the foregoing will describe my invention without further explanation to those skilled in the art.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variation and modifications as come within the scope of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In mechanism of the character described, the combination with relatively movable supporting members; of push button switch means carried by one of said members; actuating means carried by the other of said members, and including a flat projection adapted to engage said push button switch flatwise, said projection being carried by a supporting plate; and a bracket fixed to said other member and having means for detachably accommodating said plate upon movement thereof in a direction edgewise of said projection.

2. In a switch mechanism the combination with a window frame; of two window sashes mounted in said frame, movable in parallel planes with respect to each other, and with respect to said frame; a bracket carried by one of said sashes,

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and clear of the other of said sashes when the latter is moved; a push-button switch, detachably carried by said bracket, having a push button yieldably presented in a direction substantially co-incident with the plane of movement of the sash upon which it is mounted, said push button having a conductor cable connected thereto and permitting limited movement of said push-button switch; a second bracket carried by the other of said sashes, normally clear of said first moving sash when the latter is moved; and actuating means, detachably carried by said second bracket, extending substantially at right angles to the plane of movement thereof overlying said push button, and adapted upon limited movement of either of said window sashes with respect to each other to push or to release said push button, depending upon the direction of movement of said sashes; said push button switch and said actuating means being quickly detachable from their

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respective brackets to free said window sashes for full movement relatively to each other and relatively to said frame.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
352,861	Dowden -----	Nov. 15, 1886
504,980	Hall et al. -----	Sept. 12, 1893
516,240	Sturtz -----	Mar. 13, 1894
685,614	Keil -----	Oct. 29, 1901
783,014	Booth -----	Feb. 21, 1905
814,314	Parker -----	Mar. 6, 1906
945,935	Girard -----	Jan. 16, 1910
2,208,860	Smart -----	July 23, 1940

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